

From my latest book:

SPACE IS NOT EMPTY AND IT EXPLAINS EVERYTHING

An initiative to explore the Universe in a different way.

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Preface

I have a different thought about dark matter and dark energy. I believe that whenever a mass defect happens in the Universe, it will be detonated and become a thin form of matter. The products in a nuclear reaction get their kinetic energies from this rapid- huge expansion of the missing mass. In fact, perhaps Einstein's idea that matter and energy are different manifestations of the same thing (or mass-energy equivalence theory) may not be correct. It turns out that all active stars in the Universe (or all events in nature that create mass defects) release this matter to space. The stars in a galaxy collectively release a large amount of this matter continually and maintain a denser region of this matter in the surrounding space. Perhaps this can provide new insight into what dark matter is, starlight bending and gravitational lensing, and why the universe is expanding so fast (dark energy), etc. I think about the possibility that this matter is filled everywhere in the Universe and it plays an important role in the structure of the atom itself. Additionally, perhaps all forces in nature are propagated or transmitted through space by the lining-up of this kind of matter. The development of our science and technologies has a very short history. The industrial revolution on our planet began only just under 300 years. Concurrently, the history of breakthrough achievements like radio communication, aviation technology, electronics, nuclear power, etc is even shorter. Many researchers think about the possibility that perhaps in the vastness of the Universe there may be extraterrestrial civilizations, thousands or even millions of years more advanced than us. If this is the case, if we ever get a chance to access the knowledge base of such a civilization, I am doubtful whether we could find any of our today's prominent scientific theories in their knowledge base. Our knowledge of the

universe is still in its primitive form and this is why UFO-like phenomena still remain unexplained. The intention of this work is to discuss new possibilities in theoretical and applied fields of physical science. I hope it may be useful for researchers to see nature in a different way to probe and explore the Universe.